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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/087,859	03/05/2002	Kiyoshi Miyazaki	Q68747	8348
23373	7590 11/15	005	EXAMINER	
	MION, PLLC	BECK, ALEXANDER S		
SUITE 800	2100 PENNSYLVANIA AVENUE, N.W. SUITE 800			· PAPER NUMBER
WASHING	ΓON, DC 20037	2675		
			DATE MAILED: 11/15/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
Office Action Summary		10/087,859	MIYAZAKI, KIYOSHI
		Examiner	Art Unit
		Alexander S. Beck	2675
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the c	orrespondence address
WHIC - Exter after - If NO - Failui Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE in a sound of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. In period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tirr vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status			
2a)⊠ 3)□	Responsive to communication(s) filed on <u>27 Octoor</u> This action is <b>FINAL</b> . 2b) This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final.	
Disnositi	on of Claims		
5)⊠ 6)⊠ 7)□	Claim(s) <u>1-16</u> is/are pending in the application.  4a) Of the above claim(s) is/are withdraw Claim(s) <u>1-15</u> is/are allowed.  Claim(s) <u>16</u> is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or	vn from consideration.	·
Applicati	on Papers		
10)⊠	The specification is objected to by the Examine The drawing(s) filed on <u>05 March 2002</u> is/are: a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction to the oath or declaration is objected to by the Ex	a)⊠ accepted or b)□ objected to drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority u	inder 35 U.S.C. § 119		
a)[	Acknowledgment is made of a claim for foreign  All b) Some * c) None of:  1. Certified copies of the priority documents  2. Certified copies of the priority documents  3. Copies of the certified copies of the prior application from the International Bureau see the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive I (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment			(DTO 440)
2) 🔲 Notice 3) 🔲 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	

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#### **DETAILED ACTION**

#### Response to Amendment

1. Acknowledgement is made of the amendment filed by the Applicant on 10/27/2004, in which: Claims 1-13 were amended; the rejections of Claims 1-13 were traversed; and new Claims 14-16 were added. Claims 1-16 are currently pending in U.S. Application Serial No. 10/087,859, and an Office Action on the merits follows.

### Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
   The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claim 16 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As to independent Claim 16, Applicant indicates in the most recent correspondence that support for newly added independent Claim 16 can be found, for example, in cited figures 5,7,9,11 and 13 of the instant application (see pg 9). The limitations recite, "...a first power source terminal; a second power source terminal; a first amplifier having its input coupled to said first and second power source terminals..." (In 2-5). However, nowhere in Figures 5,7,9,11 or 13 is there any support for a power supply circuit of this structure. All amplifiers in the cited figures are only shown to have one input: Fig. 5 (A3&V54, A4&V55); Fig. 7 (A1&V72, A2&V73); Fig. 9 (A4&V95); Fig. 11(A3&V114, A4&V115); Fig. 13 (A4&V135). The limitations regarding the connections between "a first capacitor", "a first switch" and "a second switch" with the above

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structure are also confusing, as the structure is not supported in any of the cited figures.

Independent Claim 16 is unclear and indefinite for the reasons indicated above.

## Allowable Subject Matter

4. Claims 1-15 are allowed.

5. The following is an examiner's statement of reasons for allowance:

As to independent Claims 1,4,6 and 14, the prior art (see PTO-892 attached with this correspondence, as well as previous PTO-892) is made of record as teaching power supply circuits through the use of resistive division and interconnections between amplifiers and capacitors.

However, none of the cited prior art teaches or suggests an amplifier having a voltage follower configuration; at least one capacitor connected to the amplifier, the at least one capacitor and amplifier generating a first voltage level included in a first group of the voltage levels; and a switch circuit controlled at a predetermined timing to switch the at least one capacitor to generate a second voltage level included in the second group of voltage levels with a discharge voltage of the at least one capacitor and a peak voltage level, as presently claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Applicant's arguments, see pg 9-18, filed 10/27/2004, with respect to Claims 1-13 have been fully considered and are persuasive. The rejections of Claims 1-13 have been withdrawn in light of the Applicant's amendments to overcome the rejections.

**Conclusion** 

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Yanagi et al. (US 5,929,847 A) ... FIG. 24,34

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander S. Beck whose telephone number is (571) 272-7765. The examiner can normally be reached on M-F, 8AM-5PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz can be reached on (571) 272-3638. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

asb

SUMATI LEFKOWITZ
SUPERVISORY PATENT EXAMINER